

# Enlarged COPIES of Forms PTO-1449

Sheet 1 of 1

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		003493.00082	09/617,494
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT	
		Jin-Meng HO et al.	
		FILING DATE	GROUP ART UNIT
		July 14, 2000	2665



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	6,049,549	4/11/2000	Ganz et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	WO 00/31929	6/2/2000	PCT			
	EP 0 853 407 A2	7/15/1998	EP			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

N. Ek, "IEEE 802.1 P,Q - QoS on the MAC level," 24 April 1999, XP000864158 Retrieved from the Internet: <a href="http://www.tml.hut.fi/0pinnot/Tik-110.551/1999/papers/08IEEE802.1QosInMac/qos.html">URL: http://www.tml.hut.fi/0pinnot/Tik-110.551/1999/papers/08IEEE802.1QosInMac/qos.html</a> retrieved 6/27/2002, paragraphs 0003 - 0006
Y. Drabu, "A survey of QoS techniques in 802.11", Internet 'Online! January 1999, XP000864159, Retrieved from the Internet: <a href="http://trident.mcs.kent.edu/lydrabu/research/wmac/mac.pdf">URL: http://trident.mcs.kent.edu/lydrabu/research/wmac/mac.pdf</a> , retrieved on 6/27/2002, paragraphs 0001 - 03.21, 0004 - 4.2.1

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*if Known*

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	3
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Application Number	09/617,494
Filing Date	July 14, 2000
First Named Inventor	Jin-Meng Ho et al.
Art Unit	2665
Examiner Name	Huy Duy Vu
Attorney Docket Number	003493.00082

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. 1	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,012,469	04-30-1991	Sardana	
		US-5,717,688	02-10-1998	Belanger et al.	
		US-5,787,080	07-28-1998	Hulyalkar et al.	
		US-5,949,768	09-07-1999	Citta et al.	
		US-5,980,000	09-28-1999	Ruszczyk et al.	
		US-5,978,382	11-02-1999	Citta et al.	
		US-6,034,967	03-07-2000	Citta et al.	
		US-6,169,748	01-02-2001	Barbas et al.	
		US-6,226,277	05-01-2001	Chuah	
		US-6,238,658	05-22-2001	Westerberg et al.	
		US-6,262,976	07-17-2001	McNamara	
		US-6,263,204	07-17-2001	Kusaki et al.	
		US-6,285,888	09-04-2001	Kamel et al.	
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		US-6,370,153	04-09-2002	Eng	
		US-6,377,548	04-23-2002	Chuah	
		US-6,452,915	09-17-2002	Jorgensen	
		US-6,469,991	10-22-2002	Chuah	
		US-6,501,741	12-31-2002	Mikkonen et al.	

### FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. 1	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7 <sup>6</sup>
		JP 02072736 A	08-1990	Kurokawa, Takatsugu		

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

### Complete if Known

Application Number	09/617,494
Filing Date	July 14, 2000
First Named Inventor	Jin-Meng Ho et al.
Art Unit	2665
Examiner Name	Huy Duy Vu
Attorney Docket Number	003493.00082

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		US- 6,515,972	02-04-2003	Gage et al.	
		US-6,519,462	02-11-2003	Lu et al.	
		US- 6,538,989	03-25-2003	Carter et al.	
		US- 6,542,490	04-01-2003	Ahmadvand et al.	
		US- 6,587,408	05-20-2003	Lj et al.	
		US- 6,587,416	05-20-2003	Chuah	
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		US- 6,590,885	07-08-2003	Jorgensen	
		US- 6,600,744	07-29-2003	Carr et al.	
		US- 6,625,158	08-23-2003	Shaio et al.	
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Sheet 3

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Application Number	09/617,494
Filing Date	July 14, 2000
First Named Inventor	Jin-Meng Ho et al.
Group Art Unit	2665
Examiner Name	Huy Duy Vu
Attorney Docket Number	003493.00082

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Aad, Imat & Castelluccio, Claude, "Introducing Service Differentiation into IEEE 802.11", IEEE, 2000, pages 438-443.	
		Ganz, Aura & Wongthavarawat, Kittl, "IEEE 802.11 Wireless LAN Association Procedure for Multimedia Applications", IEEE, 1999, pages 1287-1291.	
		Ho, Jin-Meng & Lin, Wei, "IEEE P802.11 Wireless LANs, MediaPlex-An IEEE 802.11 Enhanced Protocol for QoS-Driven Wireless LANs", AT&T, November 2000, pages 1-25.	
		Gong, Zhijun et al., "QoS Guaranteed Wireless LAN" International Conference on Communication Technology, ICCOT, October 22-24, 1998.	
		Call, F. et al., "IEEE 802.11 Wireless LAN: Capacity Analysis and protocol Enhancement, IEEE 1998.	
		Deng, Dr.-Kun & Chang, Ruay-Shiung, "A Priority Scheme for IEEE 802.11 DCF Access Method", IEICE Trans. Commun., Vol. E82-B, No. 1, January 1999.	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/617,494
Filing Date	July 14, 2000
First Named Inventor	Jin-Meng Ho et al.
Art Unit	2665
Examiner Name	Huy Duy Vu
Attorney Docket Number	003493.00082

Sheet 1 of 1

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. 1	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2002/0159418	10-31-2002	Rudnick et al.	
		US- 2002/0163928	11-07-2002	Rudnick et al.	
		US- 5,384,777	01-24-1995	Almadi et al.	
		US- 5,581,544	12-03-1996	Hamada et al.	
		US- 5,644,576	07-01-1997	Bauchot et al.	
		US- 5,644,715	07-01-1997	Baughner	
		US- 5,729,542	03-17-1998	Dupont	
		US- 5,787,080	07-28-1998	Hulyalkar et al.	
		US- 5,793,747	08-11-1998	Kline	
		US- 5,970,062	10-19-1999	Bauchot	
		US- 6,115,390	09-05-2000	Chuah	
		US- 6,181,684	01-30-2001	Turcotte et al.	
		US- 6,404,738	06-11-2002	Reininger et al.	
		US- 6,507,587	01-14-2003	Bahl	
		US- 6,657,965	12-02-2003	Shaffer et al.	
		US- 6,704,932	03-09-2004	Matsunaga et al.	
		US-			
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Application Number 09/617,494  
 Filing Date July 14, 2000  
 First Named Inventor Jin-Meng Ho  
 Art Unit 2665  
 Examiner Name Huy Duy Vu  
 Attorney Docket Number 003493.00082

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)				
		US-5,623,495		04-22-1997	Eng et al.	
		US- 5,982,748		11-09-1999	Yin et al.	
		US-				
		US-				

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

of 2

### Complete if Known

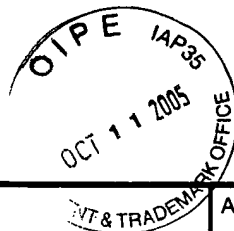
Application Number	09/617,494
Filing Date	July 14, 2000
First Named Inventor	Jin-Meng Ho
Art Unit	2665
Examiner Name	Huy Duy Vu
Attorney Docket Number	003943.00082

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Gong, Ahijun et al., "QoS Guaranteed Wireless LAN", International Conference on Communication Technology (ICCT '98), October 22-24, 1998, Beijing, China.	

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## Form PTO-1449

## Information Disclosure Citation

Attorney Docket

2000-0401

Application No.

09/617,494

Applicant

Jin-Meng HO *et al.*

Examiner

Chirag G. SHAH

Application Filing Date

July 14, 2000

Group Art Unit

2664

## U.S. Patent Documents

Examiner Initials	Cite	Patent / Application Number	Date	Name	Class	Sub-Class	Filing Date
	A	6,567,408	5/2003	Li <i>et al.</i>			
	B	6,262,976	7/2001	McNamara			
	C	6,600,744	7/2003	Carr <i>et al.</i>			
	D	6,538,989	3/2003	Carter <i>et al.</i>			
	E	6,625,156	9/2003	Shaio <i>et al.</i>			
	F	6,452,915	9/2002	Jorgensen			
	G	6,317,438	11/2001	Trebes, Jr.			
	H						
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	J						
	K						

## Foreign Patent Documents

Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
	L	JP02072736A	3-1990	JP	Kurokawa			
	M							
	N							
	O							
	P							

## Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

	Q	
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1/2/2004 from 2000-0396

<b>Form PTO-1449</b>  <b>Information Disclosure Citation</b>				Attorney Docket 2000-0401		Application No. 09/617,494	
				Applicant Jin-Meng HO <i>et al.</i>		Examiner Chirag G. SHAH	
				Application Filing Date July 14, 2000		Group Art Unit 2664	

U.S. Patent Documents							
Examiner Initials	Cite	Patent / Application Number	Date	Name	Class	Sub-Class	Filing Date
	A	5,717,688	2/1998	Belanger <i>et al.</i>			
	B						
	C						
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Foreign Patent Documents								
Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
	L							Yes No
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)		
	Q	Cali <i>et al.</i> "IEEE 802.11 Wireless LAN: Capacity Analysis and Protocol Enhancement," <i>IEEE</i> , 0-7803-4386-7/98, pages 1-8, 1998.
	R	Deng <i>et al.</i> "A Priority Scheme for IEEE 802.11 DCF Access Method," <i>IEICI Trans. Comm.</i> , Vol. E82-B, No. 1, pp. 96-102, January 1999.
	S	

Examiner Signature	Date Considered
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

5/13/2004 from 2000-0398

## Form PTO-1449

## Information Disclosure Citation

Attorney Docket

2000-0401

Application No.

09/617,494

Applicant

Jin-Meng HO *et al.*

Examiner

Chirag G. SHAH

Application Filing Date

July 14, 2000

Group Art Unit

2664

## U.S. Patent Documents

Examiner Initials	Cite	Patent / Application Number	Date	Name	Class	Sub-Class	Filing Date
	A	5,623,495	4/1997	Eng <i>et al.</i>			
	B	5,982,748	11/1999	Yin <i>et al.</i>			
	C						
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## Foreign Patent Documents

Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
	L							Yes No
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

## Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

	Q	Zhijun, Gong, <i>et al.</i> "QoS guaranteed Wireless LAN—Wireless access to ATM", <i>International Conference on Communication Technology, ICCT'98</i> , October 22-24, 1998, Beijing, China, pages S31-11-1 through S31-11-5.
	R	
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Examiner Signature

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

6/21/2004 from 2000-0403

## Form PTO-1449

## Information Disclosure Citation

Attorney Docket

2000-0401

Application No.

09/617,494

Applicant

Jin-Meng HO *et al.*

Examiner

Chirag G. SHAH

Application Filing Date

July 14, 2000

Group Art Unit

2664

## U.S. Patent Documents

Examiner Initials	Cite	Patent / Application Number	Date	Name	Class	Sub-Class	Filing Date
	A	6,366,577	4-2002	Donovan			
	B	5,638,371	6-1997	Raychaudhuri <i>et al.</i>			
	C	6,728,365	4-2004	Li <i>et al.</i>			
	D	6,738,361	5-2004	Immonen <i>et al.</i>			
	E	6,628,629	9-2003	Jorgenson			
	F						
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	J						
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## Foreign Patent Documents

Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
	L							Yes No
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

## Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

	Q	RFC 2814, Yavatkar <i>et al.</i> , "SBM (Subnet Bandwidth Manager)", May 2000, www.ietf.org.					
	R	RFC 2205, Braden <i>et al.</i> , "Resource Reservation Protocol (RSVP)", September 1997, www.ietf.org.					
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Examiner Signature

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

10/13/2004 from 2000-0406

## Form PTO-1449

## Information Disclosure Citation

Attorney Docket

2000-0401

Application No.

09/617,494

Applicant

Jin-Meng HO *et al.*

Examiner

Chirag G. SHAH

Application Filing Date

July 14, 2000

Group Art Unit

2664

## U.S. Patent Documents

Examiner Initials	Cite	Patent / Application Number	Date	Name	Class	Sub-Class	Filing Date
	A	6,411,611	06/2002	van der Tuijn			
	B	6,741,576	05/2004	Alimi <i>et al.</i>			
	C	6,747,968	06/2004	Seppala <i>et al.</i>			
	D	6,785,252	08/2004	Zimmerman <i>et al.</i>			
	E	6,119,214	09/2000	Dirks			
	F	6,738,361	05/2004	Immonen <i>et al.</i>			
	G	6,597,682	07/2003	Kari			
	H	6,115,390	09/2000	Chuah			
	I	6,034,967	03/2000	Citta			
	J	6,765,872	07/2004	Tazaki			
	K	6,704,321	03/2004	Kamiya			
	L	6,563,793	05/2003	Golden <i>et al.</i>			

## Foreign Patent Documents

Examiner Initials	Cite	Document Number	Date	Country	Name	Class	Sub-Class	Translation
	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No
	Q							Yes No

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10/13/2004 from 2000-0404

<b>Form PTO-1449</b>  <b>Information Disclosure Citation</b>	Attorney Docket 2000-0401	Application No. 09/617,494
	Applicant Jin-Meng HO et al.	Examiner Chirag G. SHAH
	Application Filing Date July 14, 2000	Group Art Unit 2664

**U.S. Patent Documents**

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	A	5,949,768	09-1999	Citta <i>et al.</i>			
	B	6,377,548	04-2002	Chuah			
	C	6,567,416	05-2003	Chuah			
	D	6,587,453	07-2003	Romans <i>et al.</i>			
	E	6,704,932	03-2004	Matsunaga <i>et al.</i>			
	F	6,747,968	06-2004	Seppala <i>et al.</i>			
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	H	6,788,950	09-2004	Raissinia <i>et al.</i>			
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	M							Yes No
	N							Yes No
	O							Yes No
	P							Yes No

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J. 3/29/2004 from 2000-0405

<h2 style="margin: 0;">Form PTO-1449</h2> <h3 style="margin: 0;">Information Disclosure Citation</h3>				Attorney Docket		Application No.	
				2000-0401		09/617,494	
				Applicant		Examiner	
		Jin-Meng HO et al.		Chirag G. SHAH			
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	D	6,507,587 B1	1 /2003	Bahl			
	E	5,644,576	7/1 997	Bauchot <i>et al.</i>			
	F	5,644,715 A	7/1997	Baughner			
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	H	5,793,747	8/1998	Kline			
	I	6,404,738 B1	6/2002	Reininger <i>et al.</i>			
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	K	5,970,062 A	10/1999	Bauchot			
	L	5,729,542	3/1998	Dupont			
	M	5,581,544 A	12/1996	Hamada <i>et al.</i>			
	N	6,704,932 B1	3/2004	Matsunaga <i>et al.</i>			
	O	2002/0159418 A1	10/2002	Rudnick <i>et al.</i>			
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	Q	6,115,390 A	9/2000	Chuah			

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